

Fig. 1

ACh Modulator

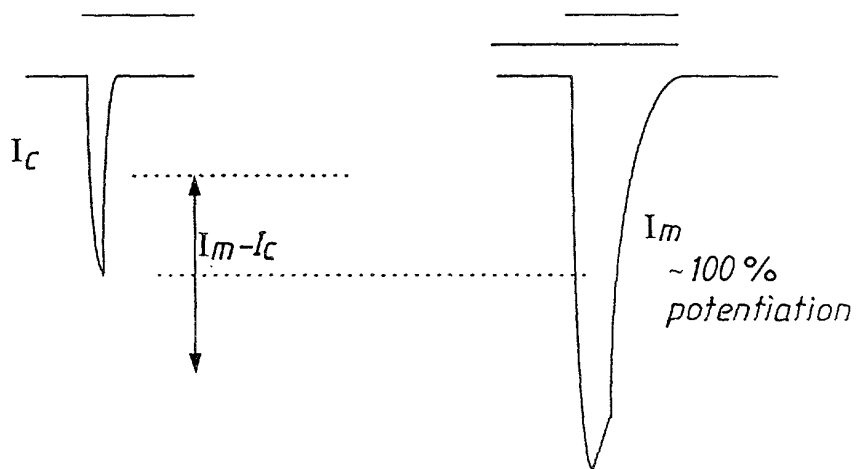


Fig. 2

ACh Modulator

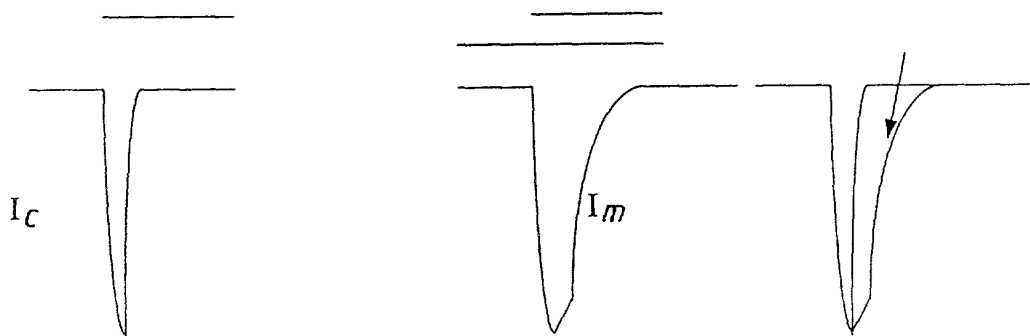
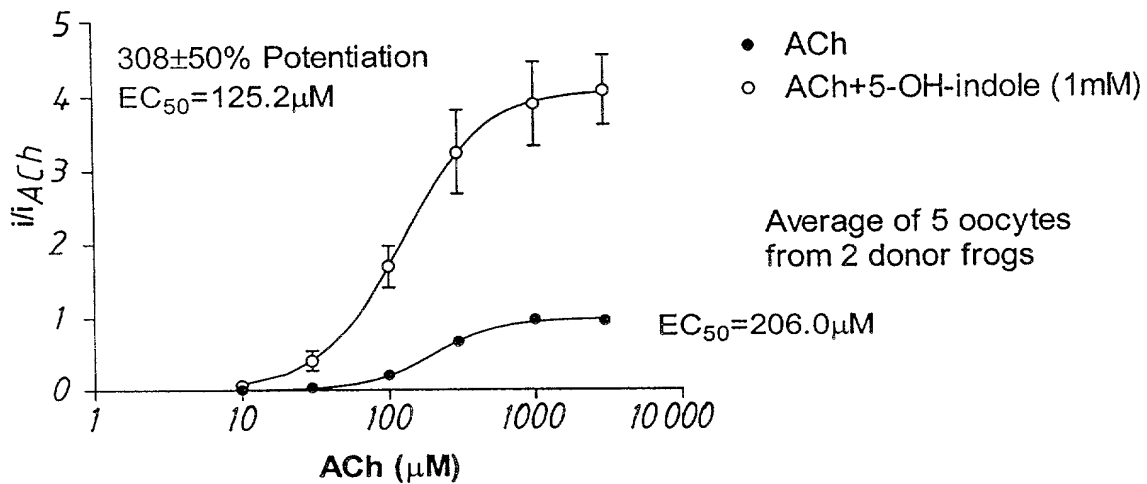


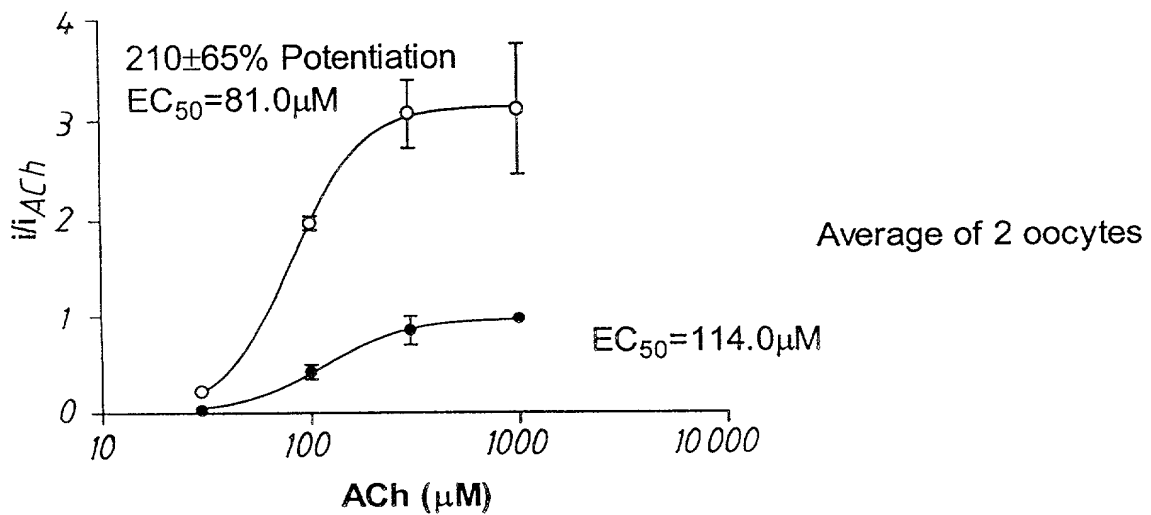
Fig. 3

# Agonist Dose-Response Curves in the Presence and Absence of 5-OH-indole

## Mouse *nAChR* $\alpha 7$



## Human *nAChR* $\alpha 7$



$i_{ACh}$  = extrapolated max of ACh curve



**Modulation by 5-OH-indole:**  
**Similar Activity on nAChR  $\alpha 7$  from Human, Rat and Chick Expressed in Oocytes**

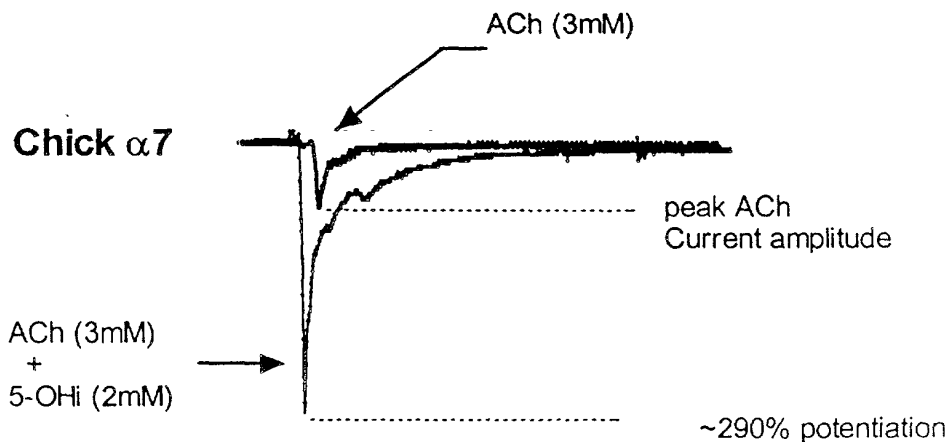
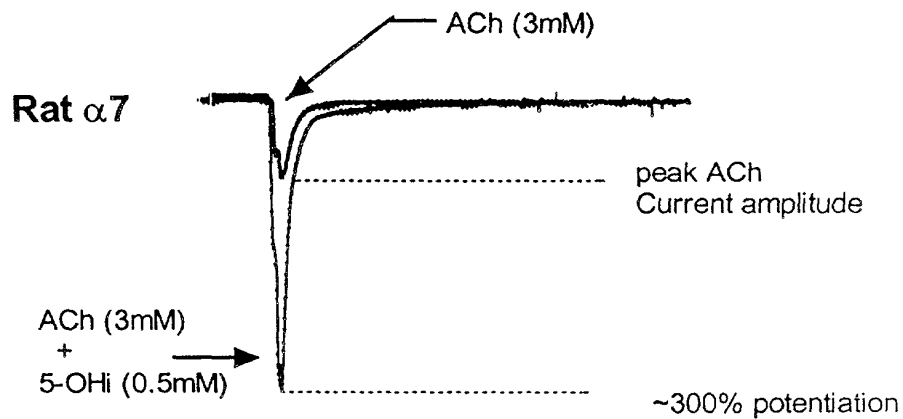
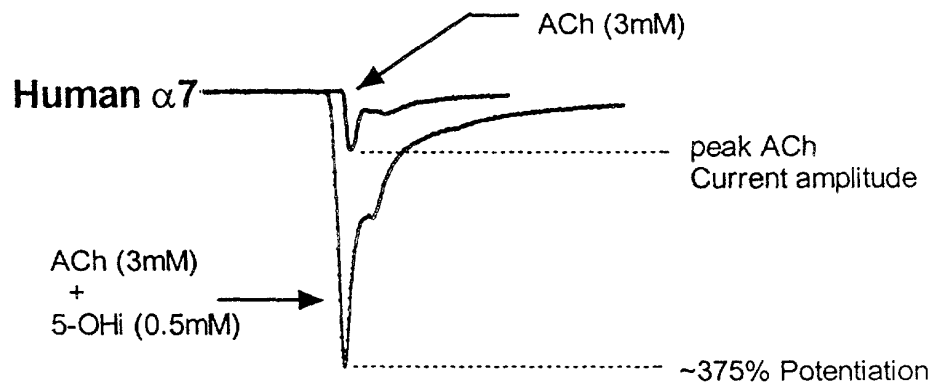


Fig. 5

### Effect of 5-OH-indole on ACh and AR-R 17779-gated Current

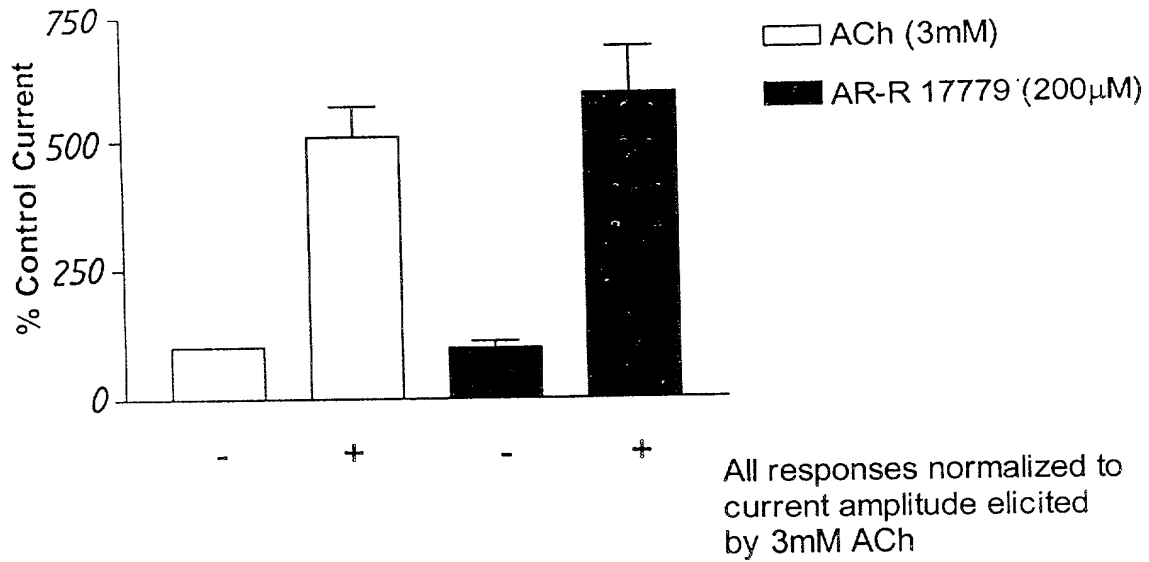


Fig. 6

### Calcium Influx in $\alpha$ 7-HEK293

